

KEY FEATURES

- Front panel control
- RS-232 control
- Contact closure control (optional)
- 2U high, 1/2 rack wide
- Rack-mountable with optional hardware



DESCRIPTION

The MX2406RM is a 6-in I-out relay switcher designed to allow the non-simultaneous connection of up to six PC computer video sources to a single monitor or projector. The MX2406RM is controlled using its built-in front panel, via RS-232, or through contact closures. Contact closure control requires the use of an optional adapter, part # RC5204CC.

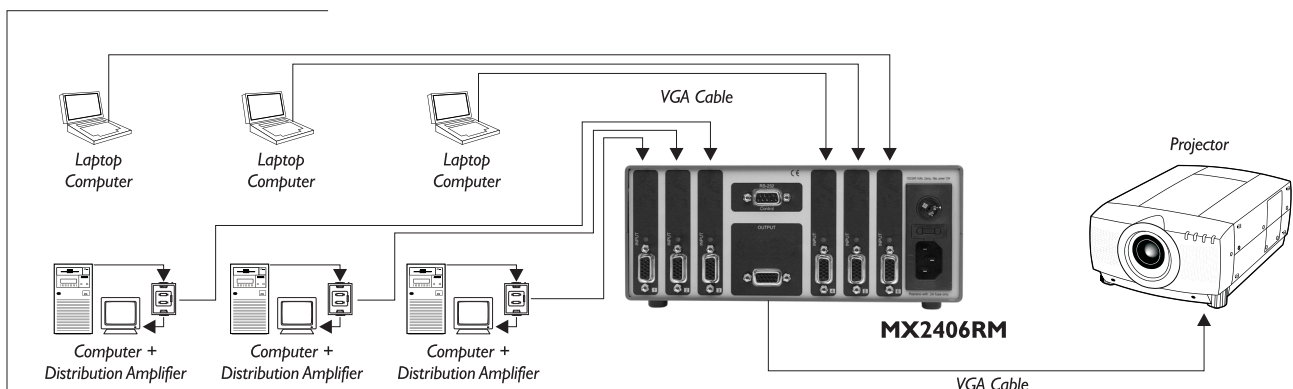
The MX2406RM can be used bi-directionally – a signal can be routed "backwards" through the switcher to allow a single source to be connected to as many as six displays.

The MX2406RM offers a 9-pin control port, which provides a means of interconnection for RS-232 and Contact Closure control as well as other special features. For instance, when multiple MX2406RM units

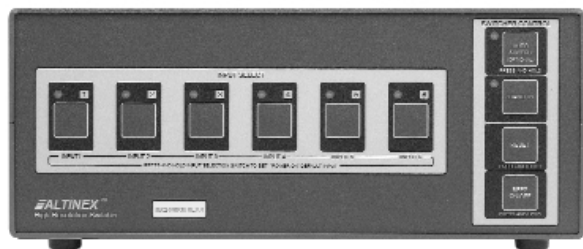
are looped together to create a larger switcher, two pins on the 9-pin control ports can be connected to make the switchers respond as a single unit. Using a similar method, multiple MX2406RM units can be made to operate in a Master-Slave mode, with all units responding to a single button selection.

Using optional hardware, a single MX2406RM can be rack-mounted by itself or two units can be rack-mounted side-by-side.

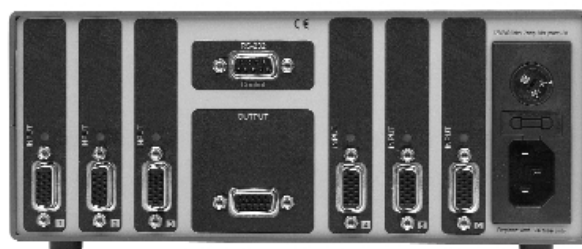
APPLICATION DIAGRAM



Specifications subject to change without notice.



Front Panel



Back Panel

SPECIFICATIONS

GENERAL

Inputs:(6) 15-pin HD Female

Output:15-pin HD Female

Compatibility:All channels utilize relays internally. Video or Sync may be passed through Red, Green, Blue, and/or Sync channels.

MECHANICAL

Height.....3.38 in.....86 mm

Width.....8.50 in.....216 mm

Depth.....4.38 in.....111 mm

Weight.....3.0 lb.....1.36 kg

Ship Weight.....4.0 lb. 1.82 kg

Material.....0.1" Al

Finish.....Gray

Front/Rear panels.....Lexan

T° Operating.....10°C-35°C

T° Maximum.....50°C

Humidity.....90% non-condensing

MTBF (calc.).....40,000 hrs (min.)

ELECTRICAL

Input Video Signal:

Analog-10V to +10V
(+/-10V p-p max.)

Impedance.....75 Ohm (unselected inputs)

Input Sync Signal:

Composite SyncTTL (+/-), Analog 0.3-1.0V

Sync on Green.....-0.3V

Impedance.....pass-through

Output Video Signal:

Analog.....-10V to +10V
(+/-10V p-p max.)

Fall/Rise Time1.9 ns

Impedance.....75 Ohm (pass-through)

Output Sync Signal:

Composite SyncTTL (+/-), Analog 0.3-1.0V
(not buffered)

Sync on Green.....-0.3V

Impedance.....pass-through

Frequency Compatibility:

Horizontal.....15-200 kHz

Vertical.....30-190 Hz

Bandwidth.....400 MHz @ -3dB

Cross-talk-48dB @ 10 MHz
(between adjacent inputs)

CouplingDC

Power90-140V/200-240V
Selectable

Power Consumption12 watts max.

OPTIONAL ACCESSORIES

DA1299RM: Rack ears for single unit

DA1298RM: Rack shelf for two units side-by-side

RC5204CC: Contact Closure Adapter

RC5207CC: Master-Slave Control Cable